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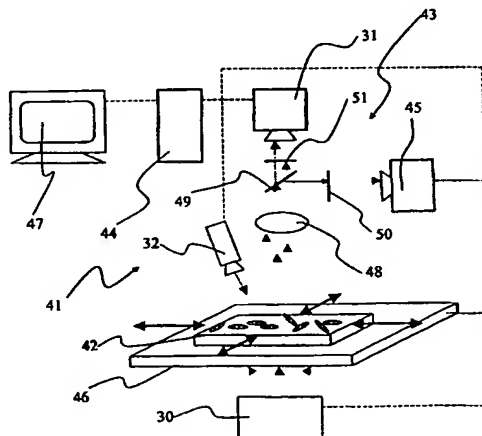
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(54) Title: ANALYSIS SYSTEM



(57) Abstract: The invention provides an analysis system for capturing target molecules in a sample. The system comprises: (a) supports with a largest dimension of 500 μm or less, wherein each support includes at least one capture analyte bound thereto, said at least one analyte being at least one capture agent exhibiting an affinity for one or more of proteins, antibodies, antibody fragments, DNA aptamers, nucleic acids, small molecules and any other molecules used to bind target molecules; and (b) an arrangement for introducing said sample into contact with said at least one analyte of at least one support in a fluid solution, such that binding of at least one target molecule with at least one analyte is indicative of the presence of said at least one target molecule. The system is distinguished in that: (c) each support comprises identification features for enabling the system to identify the support; (d) the system includes an arrangement for detecting binding of said at least one target molecule with said at least one analyte, the system thereby being capable of associating each support with its corresponding target molecule; and (e) the system further including an additional arrangement for recovering and analysing a remainder of said sample whose molecules are not susceptible to capture by said at least one analyte bound to said supports.

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